

STANDARD MODELS

Model	Frequency Range	Output Power P_N min / typ W	Gain min / typ dB	Harmonics 2nd / 3rd dBc	Line Power VA	Dimensions (H, D) 19"-System	Weight kg
BLMA 1822-10	1.8 ... 2.2 GHz	10 / 13	40 / 42 ±2	50 / 50	75	3 HU, 350 mm	12
BLMA 1822-20	1.8 ... 2.2 GHz	20 / 25	43 / 45 ±2	50 / 50	200	3 HU, 350 mm	14
BLMA 1822-40	1.8 ... 2.2 GHz	40 / 50	46 / 48 ±2	50 / 50	350	3 HU, 550 mm	16
BLMA 1822-100	1.8 ... 2.2 GHz	100 / 110	50 / 52 ±2	50 / 50	750	4 HU, 550 mm	27
BLMA 1822-180	1.8 ... 2.2 GHz	180 / 200	52 / 54 ±2	50 / 50	1500	4 HU, 630 mm	40
BLMA 1822-200/150	1.8 ... 2.2 GHz				1500	4 HU, 630 mm	40
	1.8 ... 2.2 GHz	150 / 170	51.8 / 54 ±2	50 / 50			
	1.9 ... 2.1 GHz	200 / 220	53 / 55 ±2	50 / 50			

1 HU = 44.45mm

STANDARD SPECIFICATIONS

Input Power:	0 dBm (1 mW) max.
Overdrive Protection:	up to +10 dBm for no damage
Input Impedance:	50 Ohm nominal
Output Impedance:	50 Ohm nominal
Input VSWR:	<2:1 typ.
Load VSWR:	2:1 max. für P_N -0.5 dB;
	infinite for no damage
Spurious (at P_N):	-50 dBc typ. (excluding harmonics)
Noise:	1 ... 18 GHz -20 dBm / MHz
	18 ... 40 GHz -35 dBm / MHz
Class of Operation:	A-linear

GENERAL

RF Input:	1 ... 18 GHz	N-f; standard on rear panel
	18 ... 40 GHz	2.92 mm-f; standard on rear panel
RF Output:	1 ... 8 GHz	N-f
	6 ... 18 GHz	WRD 650
	8 ... 18 GHz	WRD 750
	18 ... 40 GHz	WRD 180
Sample Port:	-50 dB forward	
Mains Supply:	200 ... 264 V AC	47 ... 63 Hz
Ambient Temperature:	0 ... +40 °C	
Storage Temperature:	-20 ... +85 °C	
Relative Humidity:	up to 95% (non-condensing)	
Operating Altitude:	up to 2000 m above sea level	
Vibration and Shock:	normal laboratory environment	
Cooling:	forced air with integral blower air intake and exhaust at rear	

Cellular Bands 1.8 ... 2.2 GHz

Solid State Amplifiers

OPTIONS

- | | |
|--------------------------------------|---------------------------|
| A) RF Monitor Outputs | G) Output Isolator |
| B) External Dual Directional Coupler | L) LAN Remote Control |
| C) IEEE-488.2 GPIB Remote Control | N) Harmonic Filter |
| D) Front Panel RF Connectors | R) RS-232C Remote Control |
| E) Power Indication (digital) | U) USB Remote Control |
| F) Gain Adjustment | |